

Spring Floor Kit Technical Specifications

Manufacturer: Miracles MFG China

Application: Gymnastics, Cheerleading, Dance & Sports Flooring Systems

Document Type: Technical Datasheet / OEM Reference



1. Product Description

This Spring Floor Kit is designed as the core elastic system for professional gym flooring. It provides controlled rebound, impact absorption, and long-term stability for training and competition use. The kit consists of calibrated metal compression springs and injection-molded plastic caps. It is suitable for modular spring floor systems used in gymnastics, cheerleading, dance, martial arts, and multi-purpose sports facilities.

2. Spring Specifications

Material: High-quality spring steel
Surface treatment: Yellow zinc plated
Spring type: Compression spring
Outer diameter: 50 mm
Free height: 110 mm
Weight: Approx. 190 g per spring
Manufacturing process: CNC spring forming
Performance: Stable rebound under repeated load

3. Plastic Cap Specifications

Material: PP (Polypropylene)
Manufacturing process: Injection molding
Cap size: 75 x 75 x 25 mm
Weight: Approx. 20.5 g per cap
Color: Black (custom colors available)
Design feature: Anti-drop groove structure

4. System Performance

Provides vertical shock absorption for athlete landing impact. Delivers consistent rebound across large floor areas. Supports adjustable floor stiffness by changing spring spacing. Maintains stable performance during long-term intensive use.

5. Applications

Gymnastics training centers
Cheerleading facilities
Dance and performance studios
Martial arts training halls
OEM sports flooring systems

6. Quality Control

Incoming raw material inspection. Dimensional and weight control. Random sampling during production. Final inspection before shipment.

7. Trade Information

Reference price: USD 1.50 / set (EXW)
MOQ: 5,000 sets
Lead time: 10–45 days depending on quantity
Payment terms: T/T
Shipping: Sea / Air / Train
Samples: Available upon request

8. OEM & Customization

Spring stiffness adjustment. Custom spring dimensions. Custom cap color or design. OEM branding support available.

9. Reverse Traffic Link

For full product details, installation guidance, and OEM cooperation, please visit:
<https://miraclesmfg.net/products/spring-floor-kit/>

Contact us for project discussion, samples, or technical support.